SECRET

OXC-5034
Copy 5 of 11

29 May 1963

MEMORANDUM FOR THE RECORD

SUBJECT : In Flight Dummy Ejection Seat Tests

1. Starting on 18 June a series of dummy ejection seat tests will be performed out of the F-106 aircraft at El Centro, California. Speeds and attitudes of these tests are as follows:

	Speed	Attitude	Dummy Seat Separation Delay
Test #1	.9 Mach	20 M ft.	4 seconds
Test #2 *	1.44 Mach	50 M ft.	1 second
Test #3 **	1.82 Mach	46 M ft.	4 seconds
Test #4	.95 Mach	Max of a/c	4 seconds

2. Data will be accumulated via air to air photo, ship to air photo, ground to air photo, dummy and seat accelerometers, dummy tri-axial rate gyros and ground askania camera coverage. Tests will be performed at the rate of approximately one every seven working days depending upon the rapidity of data reduction.

3. If seat instability problems occur during the four second period between ejection and seat separation of the dummy, it is the opinion of the undersigned that some seat stability device will have to be provided by Lockheed. Present seat design does not insure seat stability after rocket burn out which occurs at three tenths of a second after leaving the ejection seat rails.

4. These tests have been classified secret to obviate news releases.

* The one second delay simulates ejecting at 69 M ft. at Mach 3.2

** The full pressure suit will be worn by the dummy

SIGNED

[redacted]
Captain USAF
DD/OSA

25X1A

SECRET